ABSTRACT

A piezoelectric ceramics having ceramic particles, wherein said ceramic particles comprises bismuth layer compound containing at least Sr, Ln (note that Ln is a lanthanoid element), Bi, Ti and O and including $M^{II}Bi_4Ti_4O_{15}$ type crystal (M^{II} is an element composed of Sr and Ln) as a main component, and an oxide of Mn as a subcomponent; and an average particle diameter by the code length measuring method is 0.8 to 4.7 μm: by which it is possible to provide piezoelectric ceramics having a large Q_{max} in a third harmonic mode of thickness vertical vibration in a relatively high frequency band (for example, 16 to 65 MHz), a resonator an other piezoelectric element comprising the piezoelectric ceramics as a piezoelectric substance thereof.